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DWARF MISTLETOE PROGRAM
PLANNING FOR THE
ROCKY MOUNTAIN REGION--1987-1991

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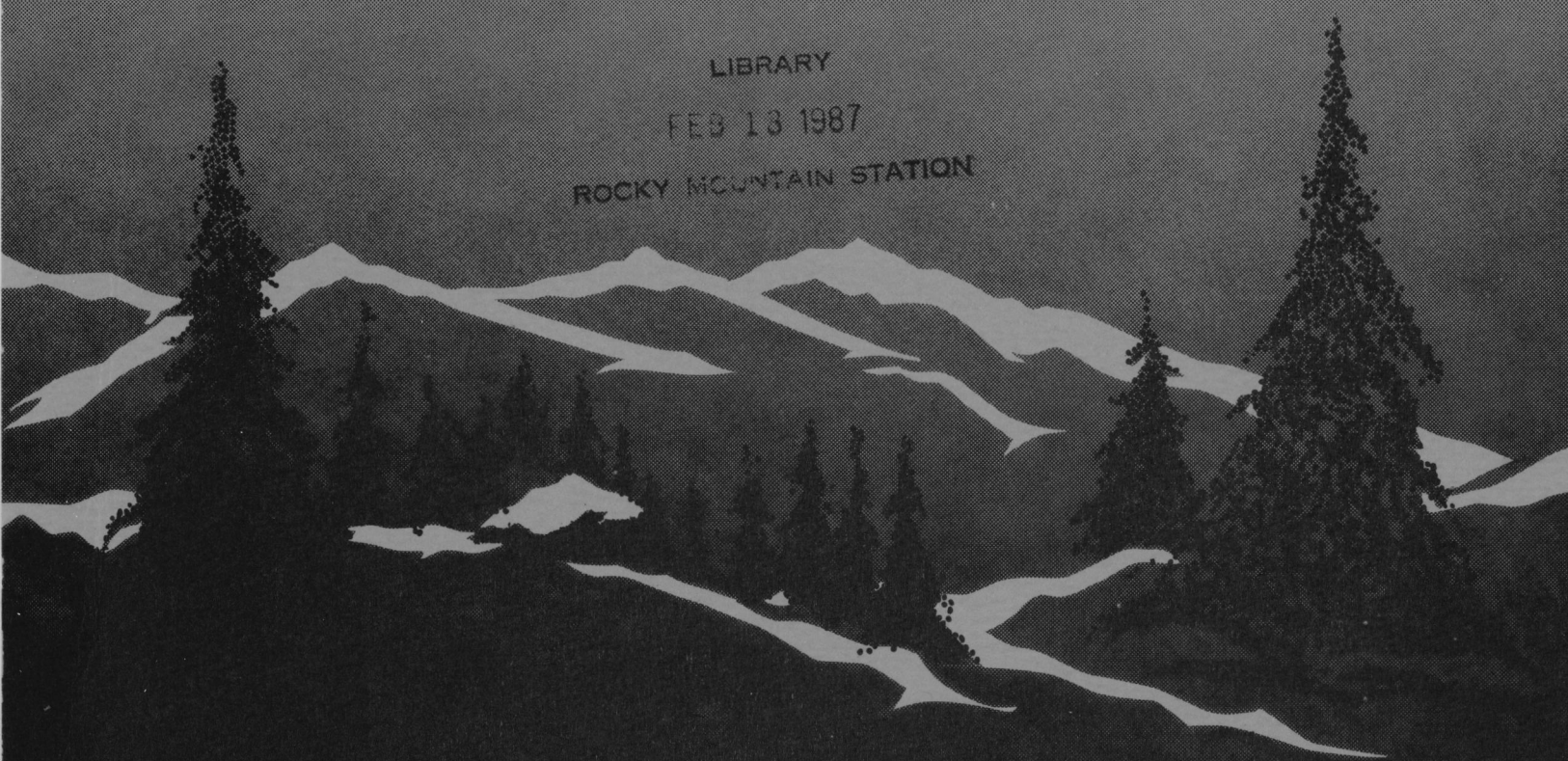

United States
Department of
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Forest Service

Forest Pest Management
Denver, Colorado

DWARF MISTLETOE PROGRAM PLANNING FOR THE ROCKY MOUNTAIN REGION--1987-1991

by

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Timber, Forest Pest, and
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Dwarf Mistletoe Program Planning for the Rocky Mountain Region (FY 1987-91)

Dwarf mistletoe program activities in the Rocky Mountain Region were recently summarized by Johnson (1986).[1/] This included accomplishments funded by the USDA Forest Service, Forest Pest Management (FPM) from 1970-1986. The purpose of this report is to define the needs for additional survey and suppression activities for the next five years (1987-1991). This will be helpful in formulating and supporting continued program funding and help to focus needs at the Forest and District levels.

This listing is a compilation of Forest requests. Final funding and allocation of targets may be adjusted according to the availability of funds, biological evaluation and cost effectiveness of each project.

Specific guidelines on the use of FPM funds for dwarf mistletoe projects and available silvicultural practices are contained in FSM 3420, FSH 3409.11, Chapter 62.1, and R-2 FSH 6/83 Amendment 2 in Chapter 30 of the Silvicultural Practice Handbook.

The following list of tables contains the specific funding requests by fiscal year for each Forest where dwarf mistletoe has been recognized as a management concern. The majority of the projects are concerned with control of lodgepole pine dwarf mistletoe, Arceuthobium americanum. Some control of ponderosa pine and Douglas-fir dwarf mistletoes, A. vaginatum subsp. cryptopodum and A. douglasii, respectively, are planned on the Pike and San Isabel and Rio Grande National Forests. Presuppression surveys and suppression activities (overstory removal, sanitation thinning, stand replacement, and barrier treatment) are listed. Summary tables that include all Forests and needs by fiscal year are also presented.

1/ Johnson, D.W. 1986. A summary of dwarf mistletoe program activities in the Rocky Mountain Region--1970-1986. USDA For. Serv., Timber, Forest Pest and Cooperative Forestry Mgmt, Rocky Mountain Region, Tech. Rep. R2-36, 24 pp.

Table 1. Summary of Dwarf Mistletoe Program Funding Needs and Targets for all Forests Listed by Fiscal Year (1987-91)

Fiscal Year	FPM $	Acres Survey	Acres Treatment
1987	397,000	14,096	4,714
1988	411,500	22,552	4,397
1989	335,800	15,141	3,938
1990	336,500	14,054	3,587
1991	293,000	15,475	3,115
Totals	1,773,800	81,318	19,751

Table 2. Total Dwarf Mistletoe Program Funding Needs and Targets Listed by National Forest For the Next Five Years (1987-91)

Forest	FPM $	Acres Survey	Acres Treatment
Arapaho/Roosevelt	261,300	10,400	3,050
Grand Mesa/Uncompahgre Gunnison	145,200	-	2,050
Medicine Bow	432,500	6,900	6,848
Pike/San Isabel	456,600	62,286	3,027
Rio Grande	20,000	-	455
Routt	218,300	-	2,244
Shoshone	100,500	-	985
White River	139,400	1,732	1,092
Totals	1,773,800	81,318	19,751

Table 3. Arapaho and Roosevelt National Forests' Dwarf Mistletoe Program Funding Needs and Targets (1987-91)

Fiscal Year	FPM $	Acres Survey	Acres Treatment
1987	99,000	1,200	865
1988	53,000	5,000	600
1989	38,000	400	605
1990	32,200	600	515
1991	39,100	3,200	465
Totals	261,300	10,400	3,050

Table 4. Grand Mesa, Uncompahgre, and Gunnison National Forests' Dwarf Mistletoe Program Funding Needs and Targets (1987-91)

Fiscal Year	FPM	Acres Survey 1/	Acres Treatment
1987	33,600	-	600
1988	19,800	-	300
1989	18,000	-	250
1990	51,000	-	550
1991	22,800	-	350
Totals	145,200	-	2,050

1/ No additional survey needs were identified. Forest completed 17,693 acres in 1980-82.

Table 5. Medicine Bow National Forest Dwarf Mistletoe Program Funding Needs and Targets (1987-91)

Fiscal Year	FPM $	Acres Survey	Acres Treatment
1987	104,000	400	1,714
1988	91,100	5,000	1,252
1989	103,900	1,500	1,657
1990	68,800	-	1,146
1991	64,700	-	1,079
Totals	432,500	6,900	6,848

Table 6. Pike and San Isabel National Forests' Dwarf Mistletoe Program Funding Needs and Targets (1987-91)

Fiscal Year	FPM $	Acres Survey	Acres Treatment
1987	73,300	12,496	553
1988	105,000	11,900	868
1989	97,800	12,661	646
1990	91,300	12,954	480
1991	89,200	12,275	480
Totals	456,600	62,286	3,027

Table 7. Rio Grande National Forest Dwarf Mistletoe Program Funding Needs and Targets (1987-91)

Fiscal Year	FPM $	Acres Survey 1/	Acres Treatment
1987	10,000	-	210
1988	10,000	-	245
1989	-	-	-
1990	-	-	-
1991	-	-	-
Totals	20,000	-	455

1/ No additional survey needs were identified. Forest completed 2,916 acres in 1985-86.

Table 8. Routt National Forest Dwarf Mistletoe Program Funding Needs and Targets (1987-91)

Fiscal Year	FPM $	Acres Survey	Acres Treatment
1987	38,200	-	440
1988	47,800	-	456
1989	49,900	-	516
1990	41,200	-	416
1991	41,200	-	416
Totals	218,300	-	2,244

1/ No additional survey needs were identified. Forest completed 24,000 acres in 1983-86.

Table 9. Shoshone National Forest Dwarf Mistletoe Program Funding Needs and Targets (1987-91)

Fiscal Year	FPM $	Acres Survey 1/	Acres Treatment
1987	18,500	-	185
1988	20,000	-	200
1989	20,000	-	200
1990	21,000	-	200
1991	21,000	-	200
Totals	100,500	-	985

1/ No additional survey needs were identified. Forest completed 8,392 acres in 1979-85.

Table 10. White River National Forest Dwarf Mistletoe Program Funding Needs and Targets (1987-91)

Fiscal Year	FPM $	Acres Survey	Acres Treatment
1987	20,400	-	147
1988	64,800	652	476
1989	8,200	580	64
1990	31,000	500	280
1991	15,000	-	125
Totals	139,400	1,732	1,092